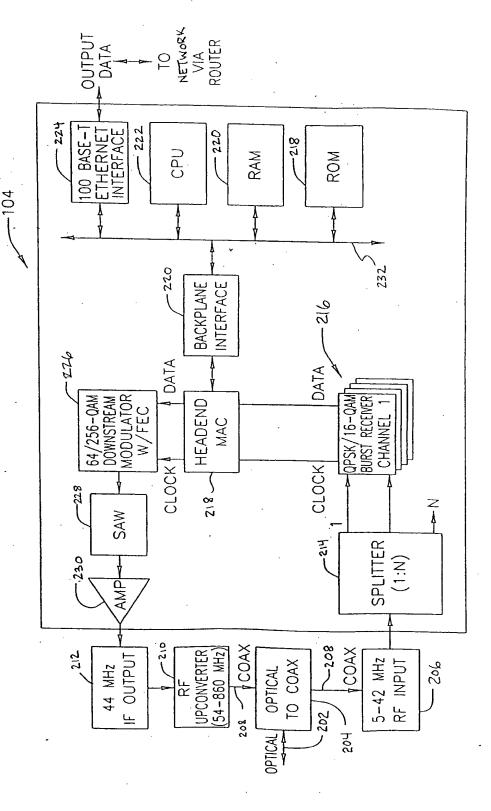
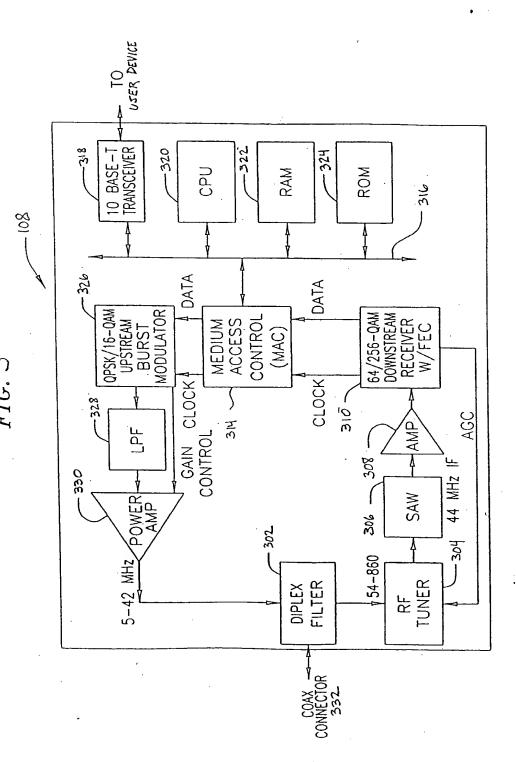


FIG. 1





F16,4

CMTS receives registration message from CM designating a data transfer protocol supported by the CM CMTS assigns CM ID to the CM and transmits it to 2504 the CM CMTS associates CM ID with protocol indicator that indicates the data transfer protocol supported by the CM CMTS receives request for transmission opportunity from CM, which includes the CM ID 2510 CMTS allocates a transmission opportunity to CM in response to CM request CMTS uses CM ID from the request for -512 transmission opportunity to access protocol indicator associated with CM ID CMTS processes data transmitted by CM during allocated transmission opportunity in accordance 2514 with the data transfer protocol indicated by the indicator

F16. 5

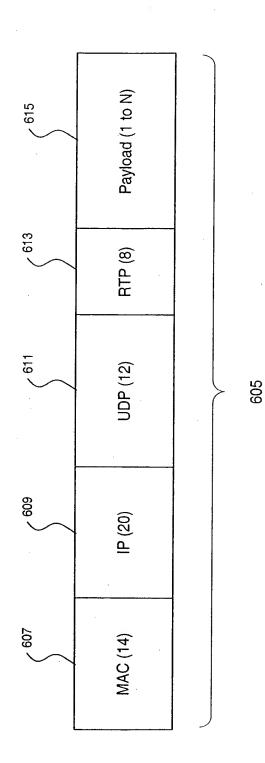


FIG. 6A

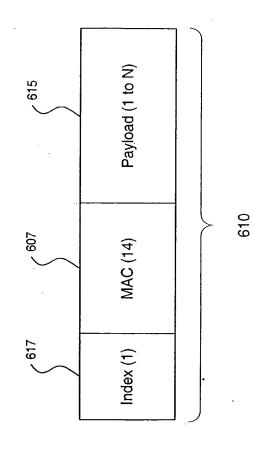


FIG. 6E

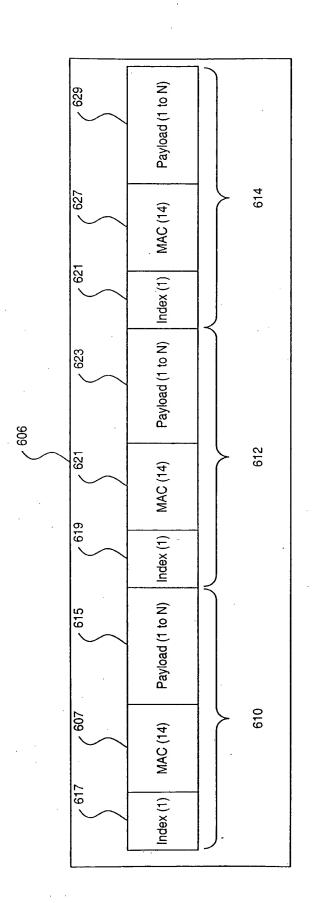


FIG. 60

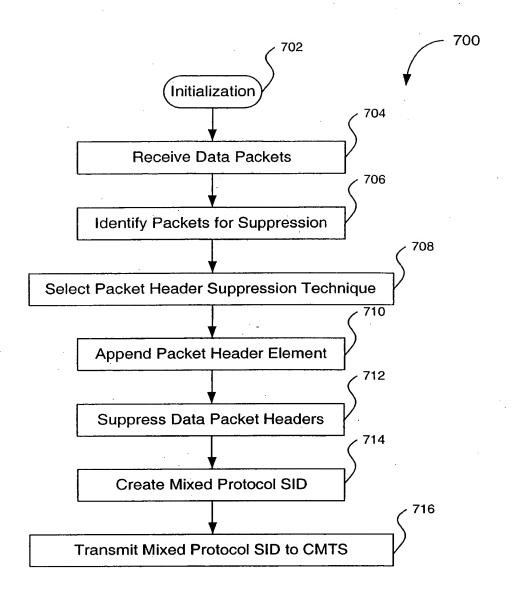


FIG. 7

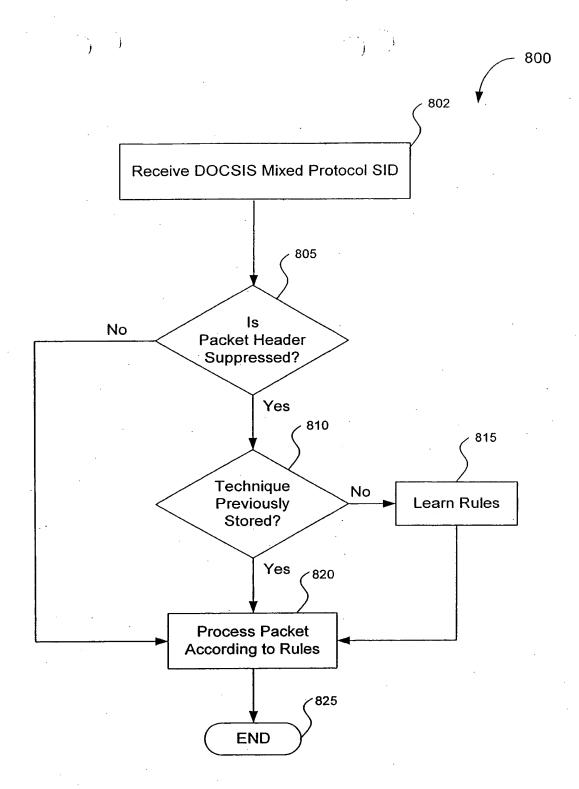


FIG. 8

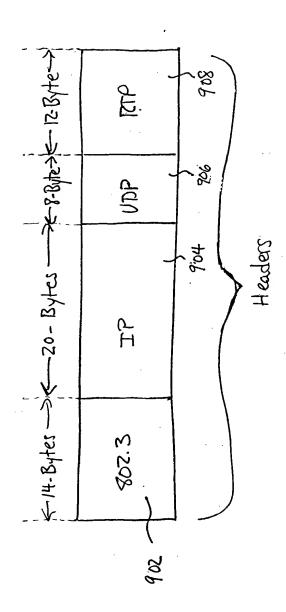
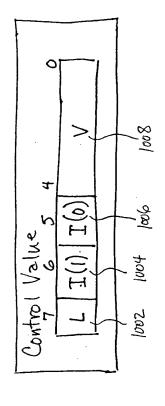


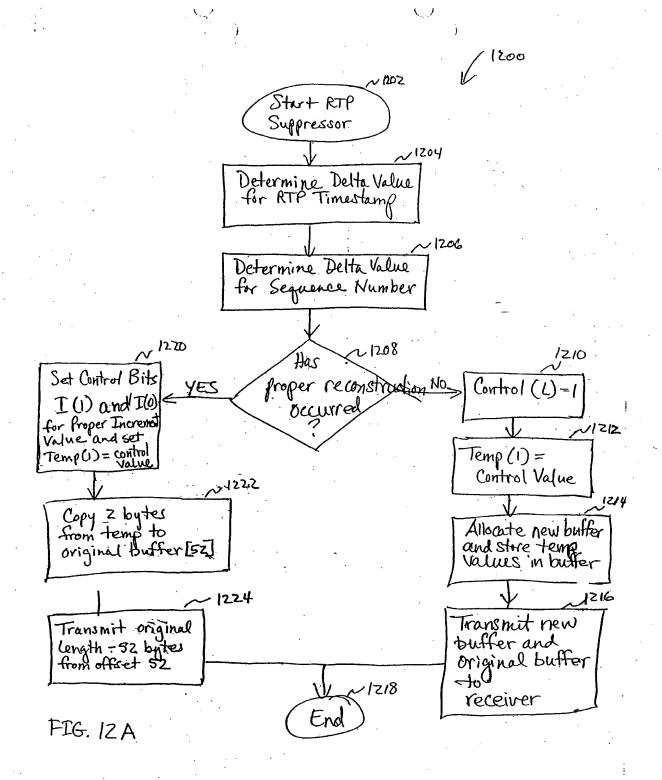
FIG. 9A

,0	o Destinatio	n MAC Address	912		
4			8023		
8	Source A	MAC Address	9/4 Header 902		
IZ	918 Type/Lenoth ~ 916				
/4	Protocol Header Type of ~922 Version Length Service ~922	Total Length	944		
18	Packet ~ 926	DM Fragment FF Offset	928		
2	Time To Live Protocol ~ 932	Header - Checksum	Header 934 God		
26	Source IP Address				
30	Destination IP, Address				
34	Source Port ~ 940	Destination Port	942 400		
38	Length ~ 944	Checksum	-944 906		
R	V PX CC M" PT	Sequence Number	950 RTP		
К[Timestamp +95		952 que		
50	Synchronization Source Identifier		254		
24[
	CRC-32				

FTG. 9B



K 1100 V1102 Start ,1104 Communicate to receiver intorm Concerning RTP header suppression to enable reconstruction of packets at the receiver v 1106 Send a complete packet to the receiver for learning the header ~1108 Receiver No Learned Header Yes 1110 Send subsequent packets in ATP stream using suppression techniques 1112 Have an RT No packets been sent yes 1114 End FIG. 11



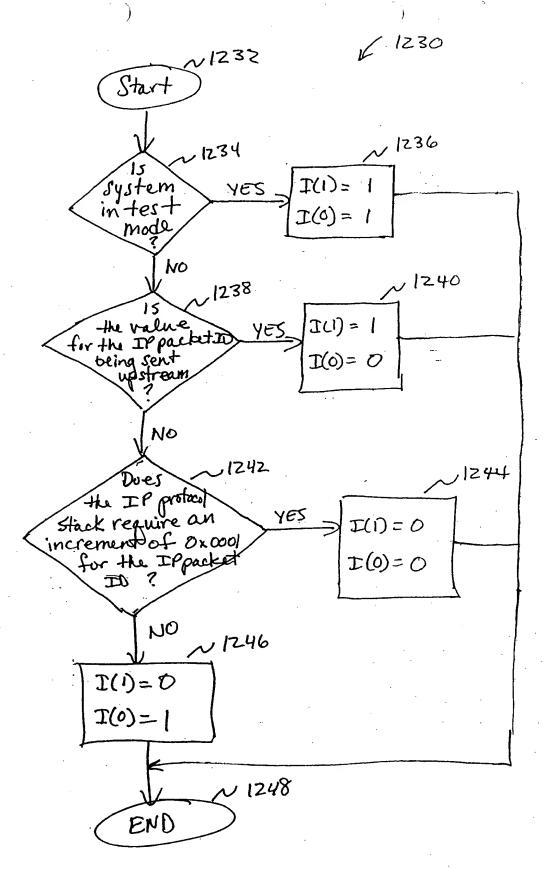


FIG. 12B

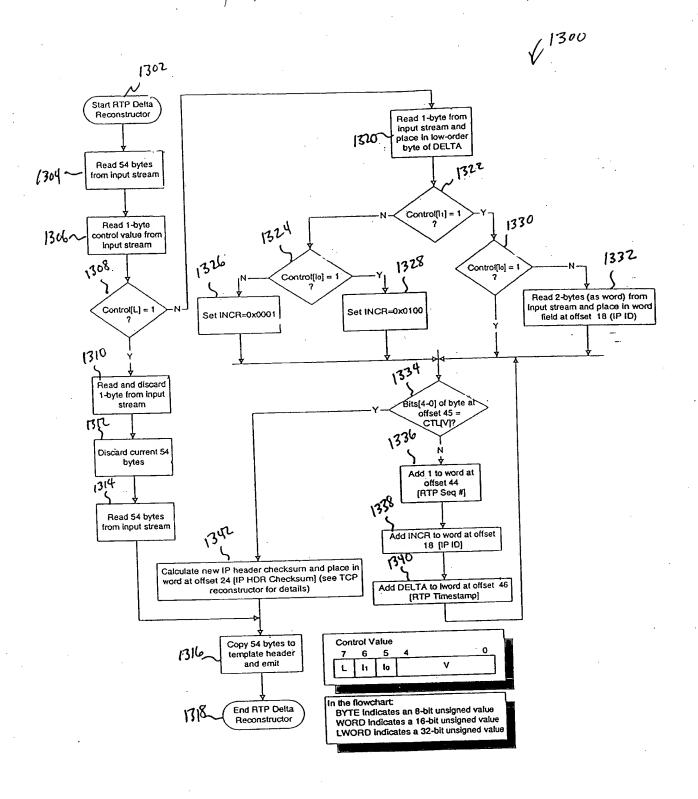


FIG. 13

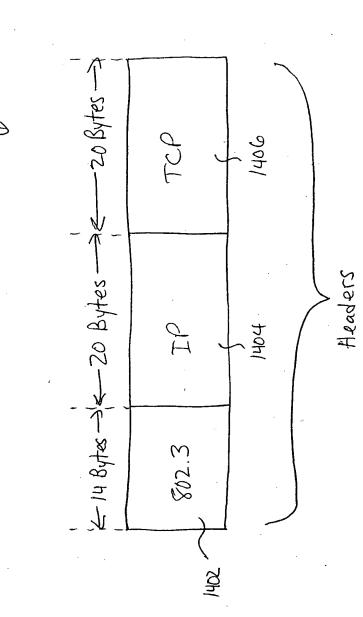


FIG. 14A

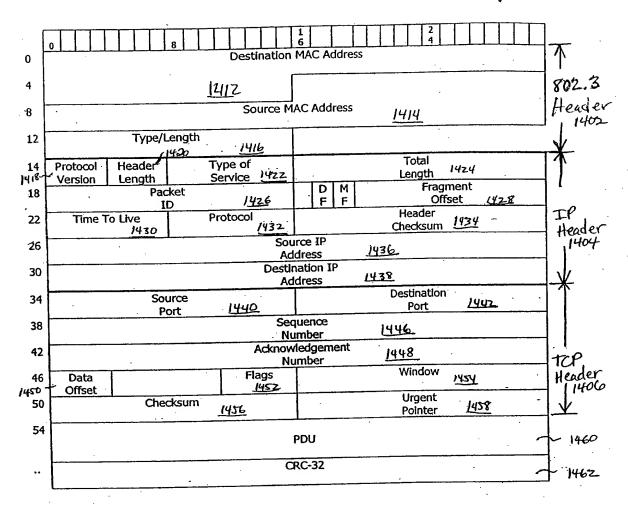


FIG. 14B

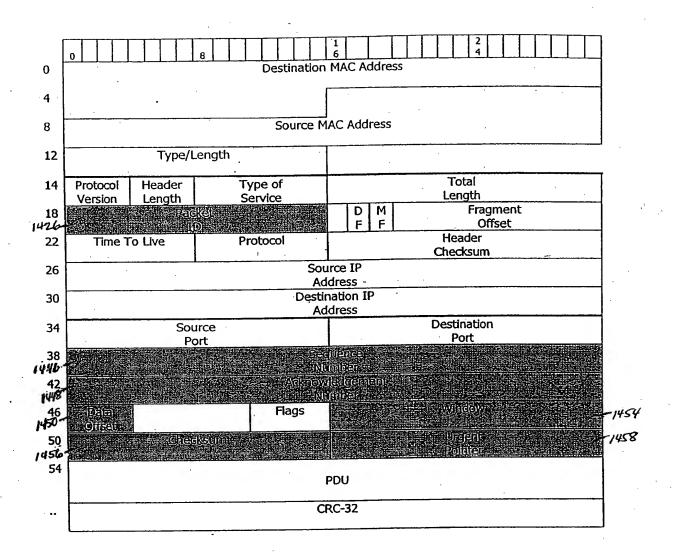


FIG. 15

	Z 1600	•
	1600	4
	01601	1
	(Start)	
	1602	
	V	
	Information concerning TCP delta-encoded	
	header suppression is communicated	
	to a receiver	
	To a receiver.	
•	1603	
	an individual TCP connection stream	
	is identified	
	~160	4
٠أ	a first TCP protocal packet in a	
	The state of the same that	
	TCP connection stream is transmitted inits entirety wan indicator set	
	inition there wan indicator ser	•
Ė	to learn	
å T	Pl. Lalt: TRO	
	Retrieve next packet in TCP 1606	
<u> </u>	Connection stream	
-	Identify appared fields determine	1
1	1 1 1 1 1608	
1.	Identify changed fields determine 1608 delta-encoded values for changed fields	1
ŧ .		
		·
	Generate a bit mapped flag 1610	
·		
	J	
	Garage a Camp proced TOP	
	Generate a compressed TCP -1612 protocol packet and append to	
	provocor packed and appear in	<u> </u>
	bit mapped flag	'
\		·
	Transmit Compressed FCP 1614	1
	Transmit Compressed FCP ~ 1614 protocol packet	1 .
	prorocor pacter	
		Ì
	Are 150	
· • • • • • • • • • • • • • • • • • • •	NO there more YES	_ .
. ——	Tep packets in connection	FIG.16
	stream	
		_
		•
		,
	•	

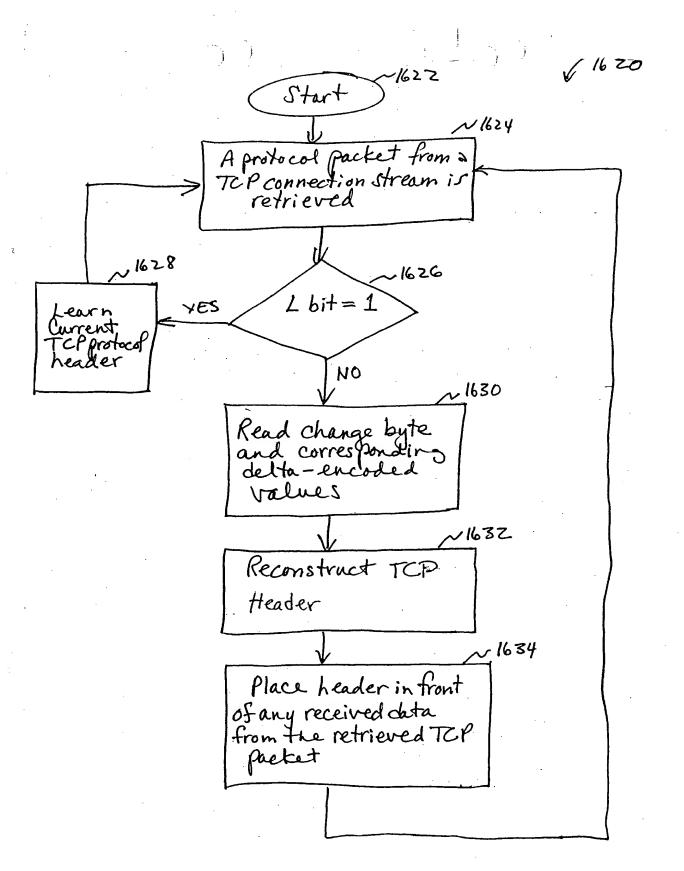
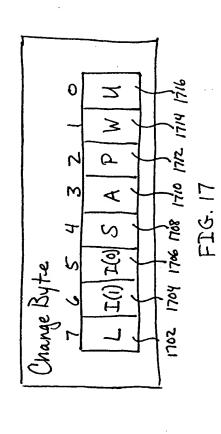


FIG. 16B



-16.18

Transmit Order (Normal)

O Flags	1700
IP ID	1808
TCP Sequence Number	1810
TCP Acknowledgement No.	18/2
TCP Data Offset	1814
TCP Window	1816
TCP Header Checksum	1818
TCP Urgent Pointer	1820
PDU	1822

FIG. 19

Transmit Order (Learn)

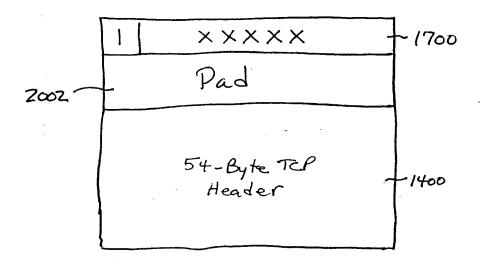


FIG. 20

